



HILARIDES DAIRY























DAIRY PROJECTION GUIDELINES ANAEROBIC DIGESTER LAGOONS

- 1000 cow dairy
- 1400 lbs./cow
- Concentrate feeding Flush Feed Alleys
- Freestall unit add 50%
- Solids separation
- Digester lagoon
- Gas production = 90,000 to 100,000 cu ft per day
- Gas quality = 65 – 70% CH₄
- KWH production = 150 to 175 KWH
- KWH value @ \$ 0.10 = \$ 11,880 per month
- Installation costs: Approximately \$ 3,000 to 3,200 per KWH
- 500 KWH unit approx. \$ 1,500,000
- Pay back 3.5 years